
System Overview

The following sections provide or point to an overview of the rp7400 server hardware and software.

Hardware overview

For an overview of the Enterprise Server Family hardware - [Go to docs.hp.com](http://docs.hp.com)

For an overview of the HP-9000 or HPe3000 rp7400 Server hardware -
[Go to docs.hp.com](http://docs.hp.com)

Software Overview

The HP-9000 rp7400 server is designed to operate using HP-UX version 11.0 or newer.

The HPe3000 rp7400 server is designed to operate using MPE/iX Release 7.0 (uni-processor support) and MPE/iX Felease 7.0 Express (mulit-processor support).

rp7400 Enterprise Server System Safety and Regulatory Information

Overview

Regulatory Compliance statements are required by some countries for international importation of rp7400 Enterprise Servers. The following information is provided:

- Regulatory Information

- Electrical Safety

- Electrostatic Discharge (ESD) Precautions

- Battery Notice

- Cabinet Safety Precautions

- Declaration of Conformity

- FCC Statement (USA Only)

- Canada RFI Statement

- European Union RFI Statement

- Korean RFI Statement

- Taiwan RFI Statement

- Japan Safety and Regulatory Statements

- Acoustics (Germany)

- Australian C-Tick Label

- Laser Safety

Product Information

For detailed information on the rp7400 Enterprise Server product, please go to the <http://docs.hp.com> web site (in the *Systems Hardware* selection), or the <http://eproducts.hp.com> web site.

Regulatory Information

For your protection, this product has been tested for conformance to various national and international regulations and standards. The scope of this regulatory testing includes electrical and mechanical safety, electromagnetic emissions, immunity, acoustics and hazardous materials.

When required, approvals are obtained from third party test agencies. Approval marks appear on the product label. In addition, various regulatory bodies require some information under the headings listed in this section.

Electrical Safety

This product has not been evaluated for connection to an “IT” power system (AC distribution system having no direct connection to earth according to IEC 950).

Locate the AC outlet near the computer! The AC power cords are this product's main AC disconnect devices and must be easily accessible at all times.

Electrostatic Discharge (ESD) Precautions

When handling any electronic component or assembly (such as, a PCI card or Memory SIMM), you must observe the following antistatic precautions to prevent damage. An ESD kit (HP P/N A3024-80004) is available (or supplied with Memory additions). This kit contains one wrist strap, one conductive sheet, and one anti-static foam pad.

- Always wear a grounded wrist strap when working around the system, and when handling printed circuit boards.
- Treat all assemblies, components and interface connections as static-sensitive.
- Avoid working in carpeted areas, and keep body movement to a minimum while removing or installing boards, to minimize buildup of static charge.

Battery Notice

This product contains a Lithium battery.

This battery is not to be removed or replaced by the user. If the battery

needs to be replaced, contact your Hewlett-Packard authorized service personnel.

CAUTION Lithium batteries may explode if mistreated.
Do not recharge, disassemble, or dispose of in a fire.

Please properly recycle all used batteries.

Cabinet Safety Precautions

WARNING Cabinets are heavy even when empty. Exercise caution when moving cabinets whether equipment is installed in the cabinet or not. Avoid rolling cabinets on rough or uneven surfaces or inclines greater than 10 degrees. Unloading cabinets from the pallet and movement of cabinets should be performed by at least two people.

WARNING Slideable products are not to be extended from the cabinet while the equipment is on the shipping pallet. The cabinet must be unloaded from the pallet and both front and rear anti-tip feet properly installed prior to extending any slideable product.

WARNING Once installed, both the front and rear anti-tip feet must remain in place to maintain stability. Only one slideable product must be extended at a time.

Sicherheitsvorkehrungen für Einbaugehäuse

WARNING Einbaugehäuse haben auch ohne Inhalt ein hohes Gewicht. Seien Sie also vorsichtig, wenn Sie ein Gehäuse hin und her bewegen, sei es mit oder ohne installierten Innenteilen. Rollen Sie das Gehäuse nach Möglichkeit nicht über rauhe oder unebene Oberflächen bzw. Oberflächen mit mehr als 10 Grad Neigung. Das Abladen von der Palette und Positionieren muß von mindestens zwei Personen durchgeführt werden.

WARNING Ziehen Sie keine beweglichen Teile heraus, solange sich das Einbaugehäuse auf der Palette befindet. Laden Sie es zunächst von der Palette ab, und stellen Sie es mit den kippsicheren Vorder- und Hinterfüßen ordnungsgemäß auf, um bewegliche Teile sicher herausziehen zu können.

WARNING Nach deren Installation dürfen die kippsicheren Füße nicht wieder entfernt werden, um sicheren Stand zu gewährleisten. Ziehen Sie jeweils nur ein bewegliches Teil heraus.

Consignes de sécurité relatives aux armoires

WARNING Une armoire est lourde même lorsqu'elle est vide. Faites preuve de prudence lorsque vous en déplacer une, peu importe si des éléments y sont installés ou non. Évitez de faire rouler l'armoire sur un sol irrégulier ou incliné à plus de 10 degrés. Il faut au moins deux personnes pour décharger une armoire de la palette d'expédition et la déplacer.

WARNING Ne faites pas glisser les éléments coulissants hors de l'armoire alors qu'elle se trouve sur la palette d'expédition. Vous devez d'abord décharger l'armoire de la palette et installer correctement les pieds antibasculement, en avant et en arrière, avant de faire glisser les éléments coulissants.

WARNING Lorsqu'ils sont installés, les pieds antibasculement situés à l'avant et à l'arrière doivent tous deux rester en place pour assurer la stabilité de l'armoire. Vous ne devez faire glisser hors de l'armoire qu'un seul élément coulissant à la fois.

Medidas de seguridad para armarios

WARNING Los armarios son pesados aun cuando estén vacíos. Tenga cuidado cuando mueva los armarios independientemente de que haya equipo instalado en el armario o no. Evite desplazar los armarios sobre superficies rugosas o disperejas o pendientes de más de 10 grados. Dos personas, como mínimo, tienen que realizar la descarga de los armarios de la

plataforma de carga y mover los armarios.

WARNING Los productos deslizables no deben extenderse del armario cuando el equipo se encuentre en la plataforma de carga. Se debe descargar el armario de la plataforma e instalar bien las punteras delanteras y traseras de protección antes de extender cualquier producto deslizante.

WARNING Una vez instalado, se deberán dejar puestas las punteras de protección, delanteras y traseras, para mantener la estabilidad. Se deberá extender un solo producto deslizante cada vez.

Procedimentos de Segurança - Armários

WARNING Os armários são pesados, mesmo quando vazios. Tenha cuidado ao movimentar os armários, quer haja equipamentos instalados quer não. Evite deslizar os armários sobre superfícies acidentadas, irregulares ou com inclinação superior a 10 graus. A retirada dos armários do palete e sua movimentação deverão ser feitas por, no mínimo, duas pessoas.

WARNING Partes deslizantes não deverão ser abertas enquanto o armário encontrar-se no palete de embarque. O armário deve ser descarregado do palete e os anteparos nos pés dianteiros e traseiros devem ser instalados adequadamente antes de se abrir qualquer parte deslizante.

WARNING Uma vez instalados, tanto os anteparos nos pés dianteiros quanto nos traseiros devem permanecer em seus lugares adequados para garantir a estabilidade da peça. Deve-se abrir apenas uma parte deslizante por vez.

Precauzioni di sicurezza sugli armadi

WARNING Gli armadi sono molto pesanti anche quando sono vuoti. Esercitare la massima cautela durante lo spostamento degli armadi indipendentemente dal fatto che l'apparecchiatura sia installata o meno. Evitare di far scorrere gli armadi su superfici irregolari, disagiati o con un'inclinazione superiore ai 10 gradi. Servirsi di almeno due

persone sia per scaricare che per spostare gli armadi dal pallet.

WARNING **Non aprire o estendere gli elementi scorrevoli dagli armadi mentre l'apparecchiatura è sul pallet di trasporto. Prima di estendere o aprire un qualsiasi elemento scorrevole è necessario aver scaricato gli armadi dai pallet ed aver debitamente installato gli appositi piedini antiribaltamento anteriori e posteriori.**

WARNING **Non smontare i piedini antiribaltamento dopo l'installazione perché stabilizzano gli armadi. Estendere o aprire soltanto un prodotto scorrevole per volta.**

Säkerhetsföreskrifter för kabinett

WARNING Kabinetten är tunga även när de är tomma. Var försiktig när du flyttar ett kabinett, oavsett om det är tomt eller innehåller utrustning. Undvik att rulla kabinett på ett underlag som är ojämnt eller lutar mer än 10 grader. Det krävs minst två personer för att lasta av ett kabinett från transportpallen eller för att flytta det.

WARNING Inskjutningsbara produkter får inte vara utdragna när utrustningen befinner sig på transportpallen. Kabinettet måste lastas av från pallan och tippskyddsfötter ska monteras både fram- och baktill innan en inskjutningsbar produkt dras ut.

WARNING Efter montering ska tippskyddsfötterna sitta kvar både fram- och baktill så att stabiliteten upprätthålls. De inskjutningsbara produkterna får bara dras ut en i sänder.

Voorzorgsmaatregelen voor de veiligheid voor kasten

WARNING Kastan zijn zwaar, ook als deze leeg zijn. Ga voorzichtig te werk als u een kast verplaatst, of er nu wel of niet apparatuur in de kast is geïnstalleerd. Rol kasten niet over ruwe of ongelijke oppervlakken of hellingen van meer dan 10 graden. Als u een kast van een pallet moet afhalen of moet verplaatsen, doet u dat dan altijd met twee personen.

WARNING **Zorg ervoor dat er geen uitschuifbare onderdelen uit de kast uitsteken als de apparatuur ter verzending op een pallet is geplaatst. Voordat u een uitschuifbaar onderdeel uitschuift, moet u de kast eerst van het pallet halen en de stabilisatiesteunen aan de voor- en achterkant op de juiste manier installeren.**

WARNING **Zodra de kast is geïnstalleerd, mogen de stabilisatiesteunen niet meer worden verplaatst. U mag niet meer dan één uitschuifbaar onderdeel tegelijk uitschuiven.**

Sikkerhedsforanstaltninger for skabe

WARNING Skabene er tunge, selv når de er tomme. Vær forsigtig når De flytter skabe, hvad enten der er installeret udstyr i skabet eller ej. Undgå at rulle skabe på ru eller ujævne overflader eller skråninger der hælder mere end 10 grader. Der skal mindst to personer til at aflæsse skabe fra pallen og til at flytte skabe.

WARNING Udtræksdele må ikke være trukket ud, når skabet står på forsendespallen. Skabet skal først læsses af pallen og anti-tip fødderne skal være installeret både forpå og bagpå, før udtræksdelene må trækkes ud.

WARNING Efter installation skal både de forreste og bageste anti-tip fødder blive siddende for at opretholde stabiliteten. Der må kun trækkes en udtræksdel ud ad gangen.

Sikkerhedsforanstaltninger for skapene

WARNING Skapene er tunge, selv når de er tomme. Vær forsiktig når du flytter skap, uansett om de er tomme eller inneholder utstyr. Ikke rull skap på ru eller ujevne overflater eller i skråninger som heller mer enn 10 grader. Det trengs minst to personer til lessing av skap fra pallen og til flytting av skap.

WARNING Produkter som kan gli inn og ut av skapet bør ikke være trukket ut når skapet er på transportpallen. Skabet må lesses av pallen og anti-tippe-føtter må være påmontert både foran og bak før et produkt som kan gli inn og ut av skapet, trekkes ut.

WARNING Etter montering skal anti-tippe-føttene både foran og bak fortsatt være på for å opprettholde stabilitet. Produkter som kan gli inn og ut av skapet, må kun trekkes ut ett og ett om gangen.

Laitekaappia koskeva turvavaroitus

WARNING Kaapit ovat tyhjinäkin painavia. Ole varovainen siirtäessäsi kaappia siitä riippumatta, onko siihen asennettu laitteistoa. Älä rullaa kaappeja karkeilla tai epätasaisilla pinnoilla tai jos pinnan kaltevuus ylittää 10 astetta. Kaappien ottamiseen alas lastausalustalta ja niiden siirtämiseen tarvitaan ainakin kaksi henkilöä.

WARNING Liukuvia osia ei pidä vetää ulos kaapista laitteen ollessa lastausalustalla. Kaappi täytyy ottaa alas alustalta, ja sekä etummaisen että takimmaisen kallistustuen täytyy olla asennettu ennen liukuvien osien vetämistä ulos.

WARNING Kun kallistustuet on asennettu, ne täytyy jättää paikoilleen sekä edessä että takana, jotta kaappi pysyisi vakaasti paikoillaan. Vain yksi liukuosa saa olla ulkona kerrallaan.

Предосторожности при работе со стойками

КНО Стойка очень тяжелая, даже если в ней не установлено оборудование. Поэтому при ее перемещении соблюдайте меры предосторожности. Перемещение стойки по неровной поверхности или поверхности с наклоном более 10 градусов. Снятие стойки с поддона и ее перемещение необходимо выполнять по крайней мере вдвоем.

КНО Оборудование, установленное на полозьях, нельзя выдвигать, пока оно находится на транспортировочном поддоне. Прежде чем выдвинуть из стойки какое-либо оборудование, необходимо снять стойку с поддона и выдвинуть спереди и сзади стойки дополнительные предохраняющие от опрокидывания.

КНО Для обеспечения устойчивости стойки передние и задние опоры предохраняющие стойку от опрокидывания, должны быть все выдвинуты. Никогда не выдвигайте одновременно более одного компонента оборудования, установленного на полозья.

キャビネットの転倒防止

キャビネットは空の状態でも相当の重量があります。キャビネットに装置が搭載されていなくても、移動には充分注意してください。表面に凹凸があったり水平でない場合、キャビネットを回転したり 10 度以上傾斜させることは避けてください。パレットからキャビネットを降ろしたり移動するときは最低 2 人以上で行ってください。

装置が輸送パレットの上にある間は、スライド型製品はキャビネットの外に引き出さないでください。スライド型製品をキャビネットから引き出しておく場合は、事前にキャビネットから降ろし、傾き防止部品を前後両方とも適切に取り付けてください。

置後は、前後の傾き防止部品は安定を維持するため、取り付けたまの状態でください。スライド型製品は、一度に 2 台以上引き出さないでください。

캐비닛 안전 주의사항

캐비닛은 비어 있는 경우에도 무게가 나갑니다. 캐비닛을 운반할 때에는 안에 장치되어 있지 않더라도 항상 주의하십시오. 캐비닛을 지면에 굴곡이 있거나 수평을 잡는 곳에서 회전하거나, 10 도 이상 경사로 기울이지 마십시오. 운반대에서 캐비닛을 내리 내, 운반할 때에는 적어도 2 사람 이상이 수행해야 합니다.

장비가 운반대에 있는 경우, 슬라이드형 제품이 캐비닛 밖으로 빠져 나오지 않도록 하십시오. 슬라이드형 제품을 캐비닛에서 꺼내려면, 우선 캐비닛을 운반대에서 내리를 유지하기 위한 고정용 다리를 앞뒤 양쪽에 설치해야 합니다.

설치를 마친 다음, 앞뒤 고정용 다리는 안정성을 위해 그대로 두십시오. 슬라이드는 한번에 두 개 이상 캐비닛에서 꺼내지 마십시오.

安 全 措 施

空机柜也很沉重。无论机柜里是否装有设备，都要小心移动。不要在粗糙的地面上拖动，也不要使机柜倾斜超过 10 度。无论是从货盘上搬下机柜，还是移动机柜，应当由至少两个人来操作。

当设备放在运输货盘上时，请勿将可滑动的产品从机柜中移出，在移动可滑动的产品之前，一定要先把机柜从货盘上卸下来，并将前后防倾倒支脚装好。

装好前后防倾倒支脚后，机柜应保持稳定不动，每次只能从机柜中移出一个产品。

機箱安全措施

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- 機箱即使是空的，也很沉重。無論其中裝有設備與否，都要小心移動。不要在粗糙不平的地面滾動機箱，也不要讓機箱傾斜超過 10 度。無論是從運送底座上搬下機箱，還是移動機箱，都應當至少由兩個人來操
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- 當設備放在運送底座上時，可滑動的製品不可伸出機箱以外。讓可滑動的製品伸出機箱以前，一定要先把機箱從底座上卸下，並將前後防傾倒腳裝好。
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- 當裝好後，前後兩個防傾倒腳座須保持這個狀態以維持穩定。一次只能讓一件可滑動的製品伸出機箱以外。
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Declaration of Conformity

DECLARATION OF CONFORMITY

according to ISO/IEC Guide 22 and EN 45014

Manufacturer's Name: Hewlett-Packard Company
Internet & Applications Systems Division

Manufacturer's Address: 8000 Foothills Blvd.
Roseville, CA 95747
USA

declares, that the product

Product Name: PA-RISC/IA64 Computer System

Model Number(s): Nxxxx (each x is any number 0-9)

Product Options: All

conforms to the following Product Specifications:

Safety: IEC 950:1991 + A1, A2, A3, A4 / EN 60950:1992 + A1, A2, A3, A4
GB 4943-1995
IEC 825-1:1993 / EN 60825-1:1994 + A11, Class 1

EMC: CISPR 22:1993 +A1, A2 / EN 55022:1994 +A1, A2 - Class A¹
GB 9254-1988
EN 55024:1998
IEC 61000-4-2:1995, EN 61000-4-2 1995
IEC 61000-4-3 1995, EN 61000-4-3 1996
IEC 61000-4-4 1995, EN 61000-4-4 1995
IEC 61000-4-5 1995, EN 61000-4-5 1995
IEC 61000-4-6 1996, EN 61000-4-6 1996
IEC 61000-4-8 1993, EN 61000-4-8 1993
IEC 61000-4-11 1994, EN 61000-4-11 (1994)
EN 61000-3-2:1995 +A1, A2 / IEC 1000-3-2:1995, Class A
EN 61000-3-3:1995 / IEC 1000-3-3:1994

Supplementary Information:

The product herewith complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC and carries the CE marking accordingly.

1) The Product was tested in a typical configuration with Hewlett Packard computer peripherals.

FCC Statement (USA Only)

The United States Federal Communications Commission has specified that the following notice be brought to the attention of users of this product:

NOTE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Hewlett-Packard's system verification tests were conducted with HP-supported peripheral devices and HP shielded cables, such as those you receive with your computer. Changes or modifications not expressly approved by Hewlett-Packard could void the user's authority to operate the equipment. Cables used with this device must be properly shielded to comply with the requirements of the FCC.

Canada RFI Statement

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Notice relative aux interférences radioélectriques (Canada)

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

European Union RFI Statement

This is a Class A product. In a domestic environment, this product may

cause radio interference in which case the user may be required to take adequate measures.

Korean RFI Statement

용지 안내문 (A급 기기)

기는 업무용으로 전자파장애 경정을 받은
|오니, 만약 잘못 구입하셨을 때에는 구입
에서 비업무용으로 교환하시기 바랍니다.

Taiwan RFI Statement

者：這是甲類的資訊產品，在居住的
用時，可能會造成射頻干擾，在這種
使用者會被要求採取某些適當的對策。

Japan Safety and Regulatory Statements

周波ガイドライン適合品

これは、情報処理装置等電波障害自主規制協議会（VCCI）の基準クラスA 情報技術装置です。この装置を家庭環境で使用すると電波妨害を起こすことがあります。この場合には使用者が適切な対策を講ずることがあります。

・法による区分： D

・ギ一消費効率： 0.62

・ギ一消費効率とは、省エネ法で定める測定方法により求められた消費電力を、省エネ法で定める複合理論性能で除くものである。

Acoustics (Germany)

Acoustic noise level per ISO 9296 (25° C):

$L_{pA_m} < 60\text{dB}$ (operators position)

Geräuschemission (Deutschland)

Geräuschemission nach ISO 9296 (25° C):

$L_{pA_m} < 60\text{dB}$ (Arbeitsplatz)

Australian C-Tick Label



Laser Safety

This product contains a laser internal to the Optical Link Module (OLM) for connection to the Fibre communications port.

In the USA, the OLM is certified as a Class 1 laser product conforming to the requirements contained in the Department of Health and Human Services (DHHS) regulation 21 CFR, Subchapter J. The certification is indicated by a label on the plastic OLM housing.

Outside the USA, the OLM is certified as a Class 1 laser product conforming to the requirements contained in IEC 825-1:1993 and EN 60825-1:1994, including Amendment 11:1996.

